

Fig. 1 Prior Art

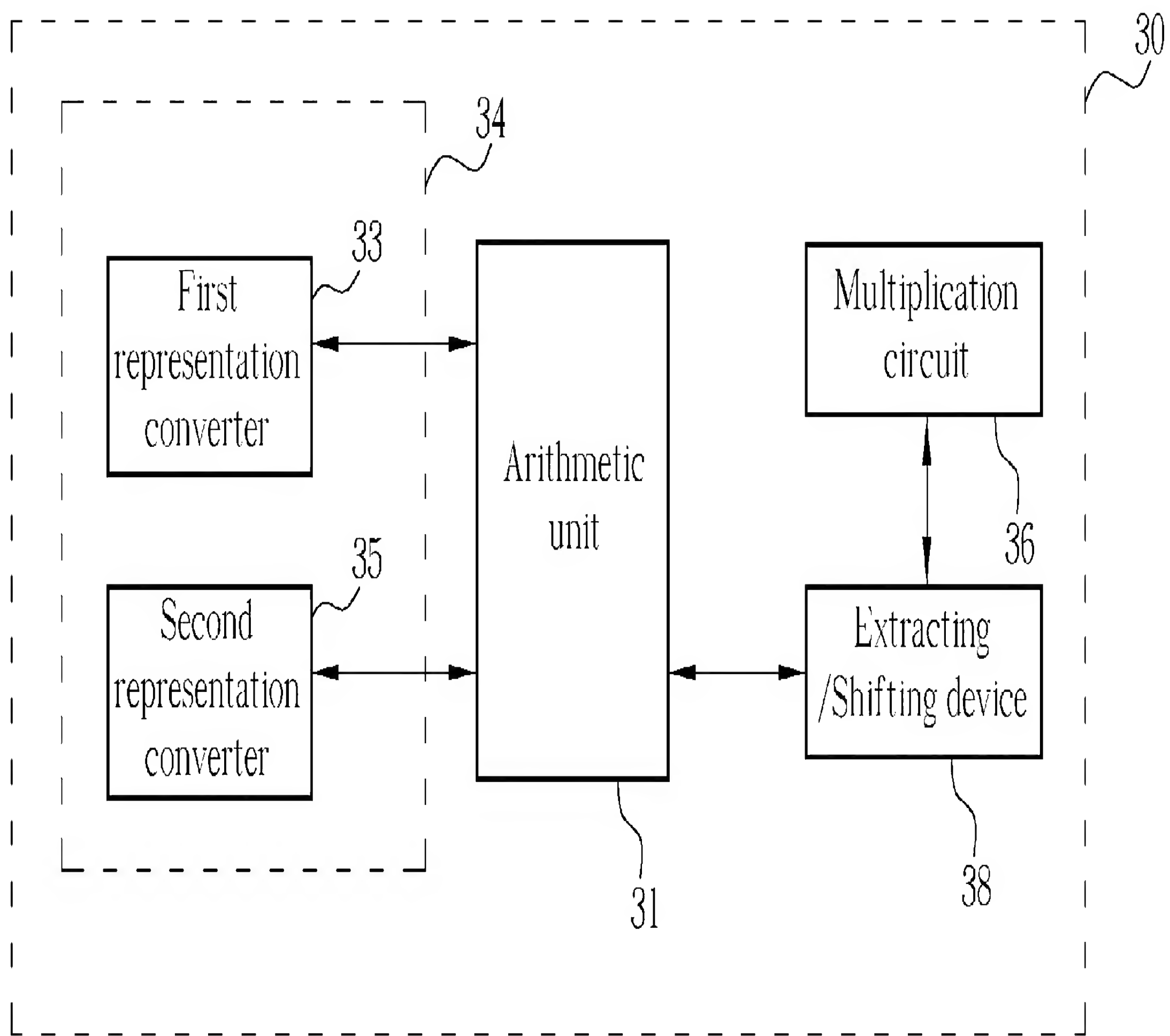


Fig. 2

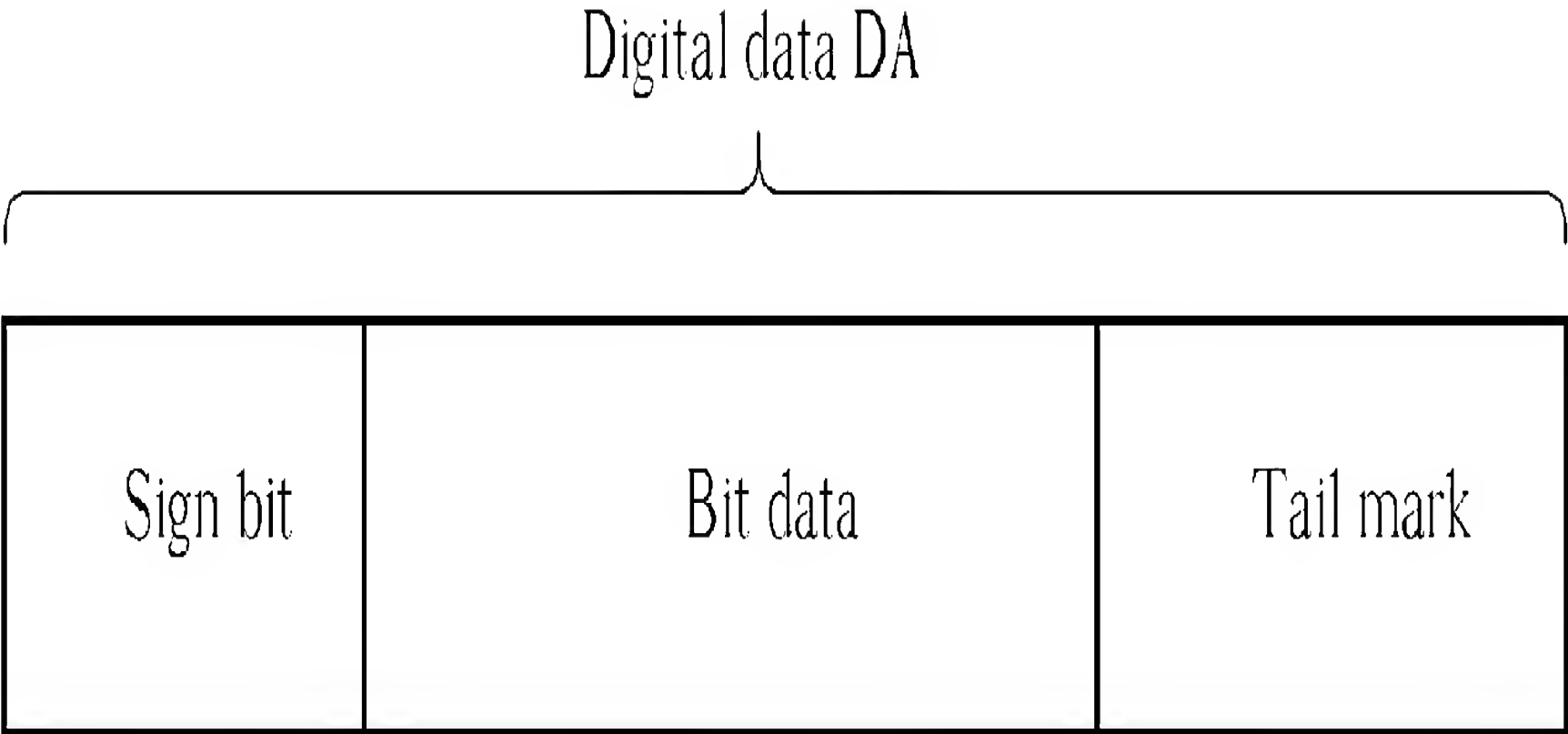


Fig. 3

Shifting mode	Bit 23	Bit 23....Bit 3	Bit 2	Bit 1	Bit 0	Illustration
The Zeroth level	Sign bit	Bit data	Bit data	Bit data	1	(Note 1) No magnifying shift
The First level	Sign bit	Bit data	Bit data	1	0	(Note 2) Magnifying shift of 4 bits
The second level	Sign bit	Bit data	1	0	0	(Note 3) Magnifying shift of 8 bits
the Third level	Sign bit	Bit data	0	0	0	(Note 4) Magnifying shift of 12 bits
<p>Note 1:If the data is of 24-bit digital data in jumping floating-point representation, the result is <math>2^0</math> times gerater than the original one after the magnifying shift.</p> <p>Note 2:If the data is of 24-bit digital data in jumping floating-point representation, the result is <math>2^4</math> times gerater than the original one after the magnifying shift.</p> <p>Note 3:If the data is of 24-bit digital data in jumping floating-point representation, the result is <math>2^8</math> times gerater than the original one after the magnifying shift.</p> <p>Note 4:If the data is of 24-bit digital data in jumping floating-point representation, the result is <math>2^{12}</math> times gerater than the original one after the magnifying shift.</p>						

Fig. 4

Displacement mode	Bit 23	Bit 23....Bit 3	Bit 2	Bit 1	Bit 0	Illustration
The Zeroth level	Sign bit	Bit data	Bit data	Bit data	1	No magnifying shifting
The First level	Sign bit	Bit data	Bit data	1	0	Magnifying shift of 3 bits
The second level	Sign bit	Bit data	1	0	0	Magnifying shift of 7 bits
the Third level	Sign bit	Bit data	0	0	0	Magnifying shift of 12 bits

Fig. 5

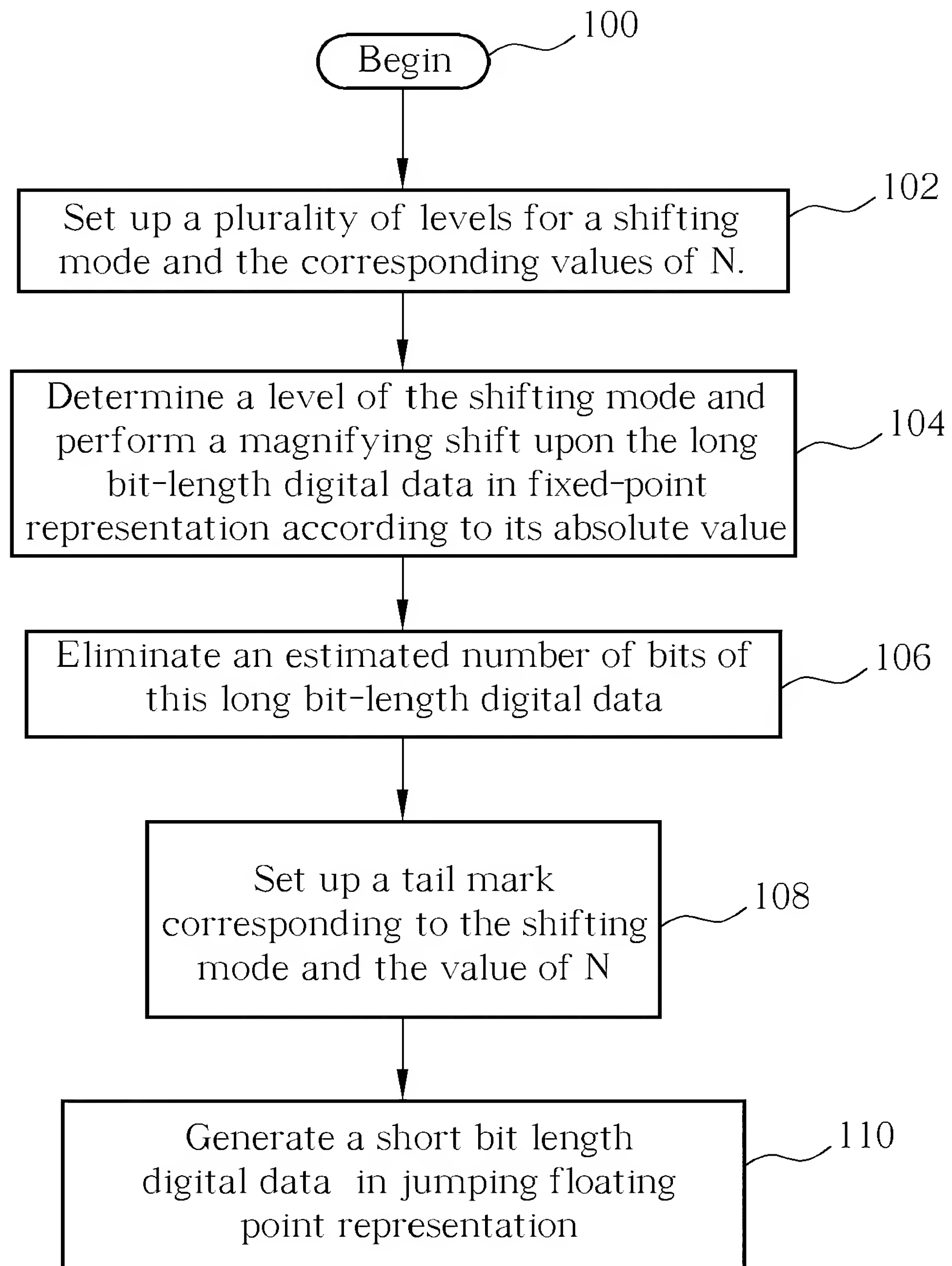


Fig. 6

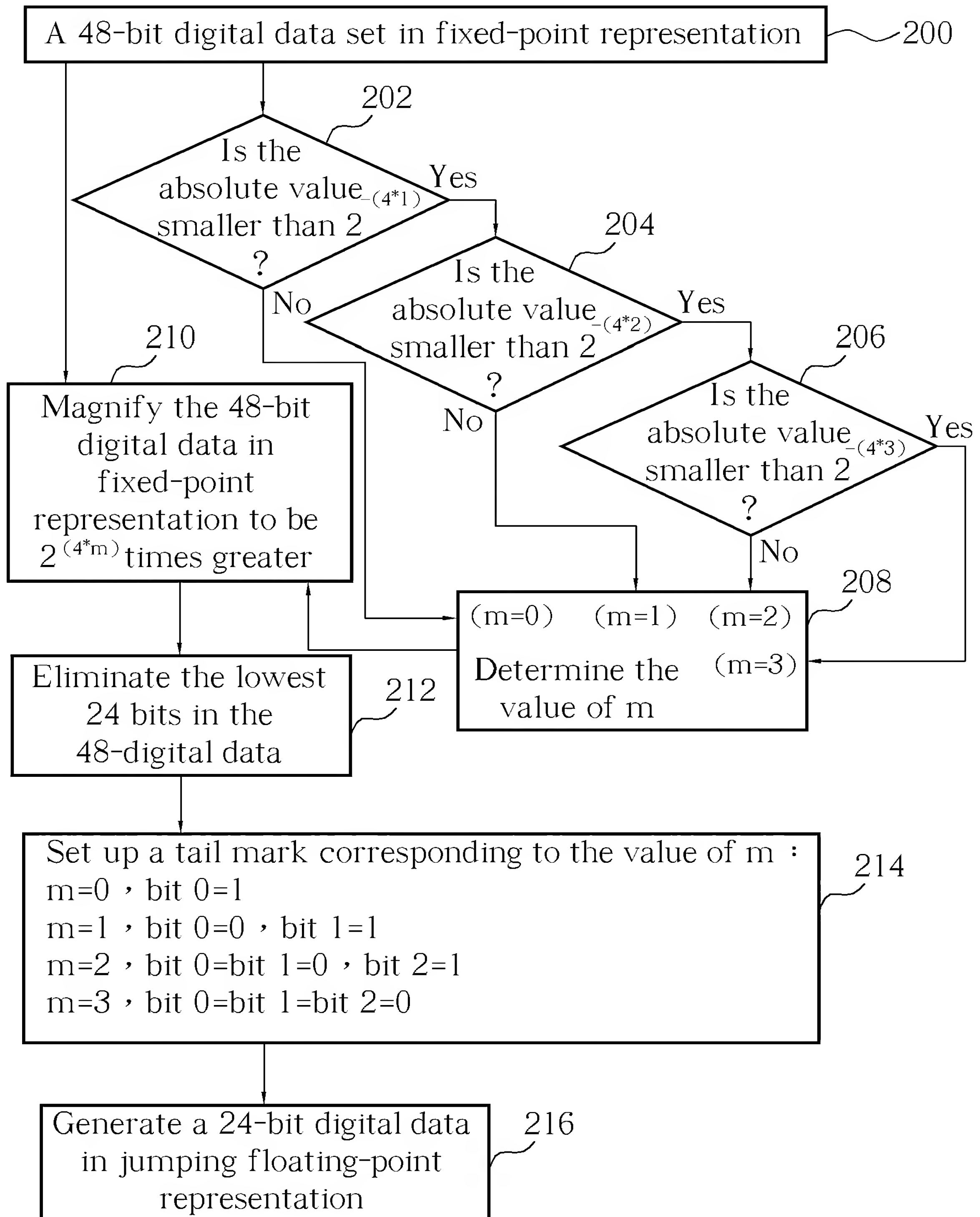


Fig. 7

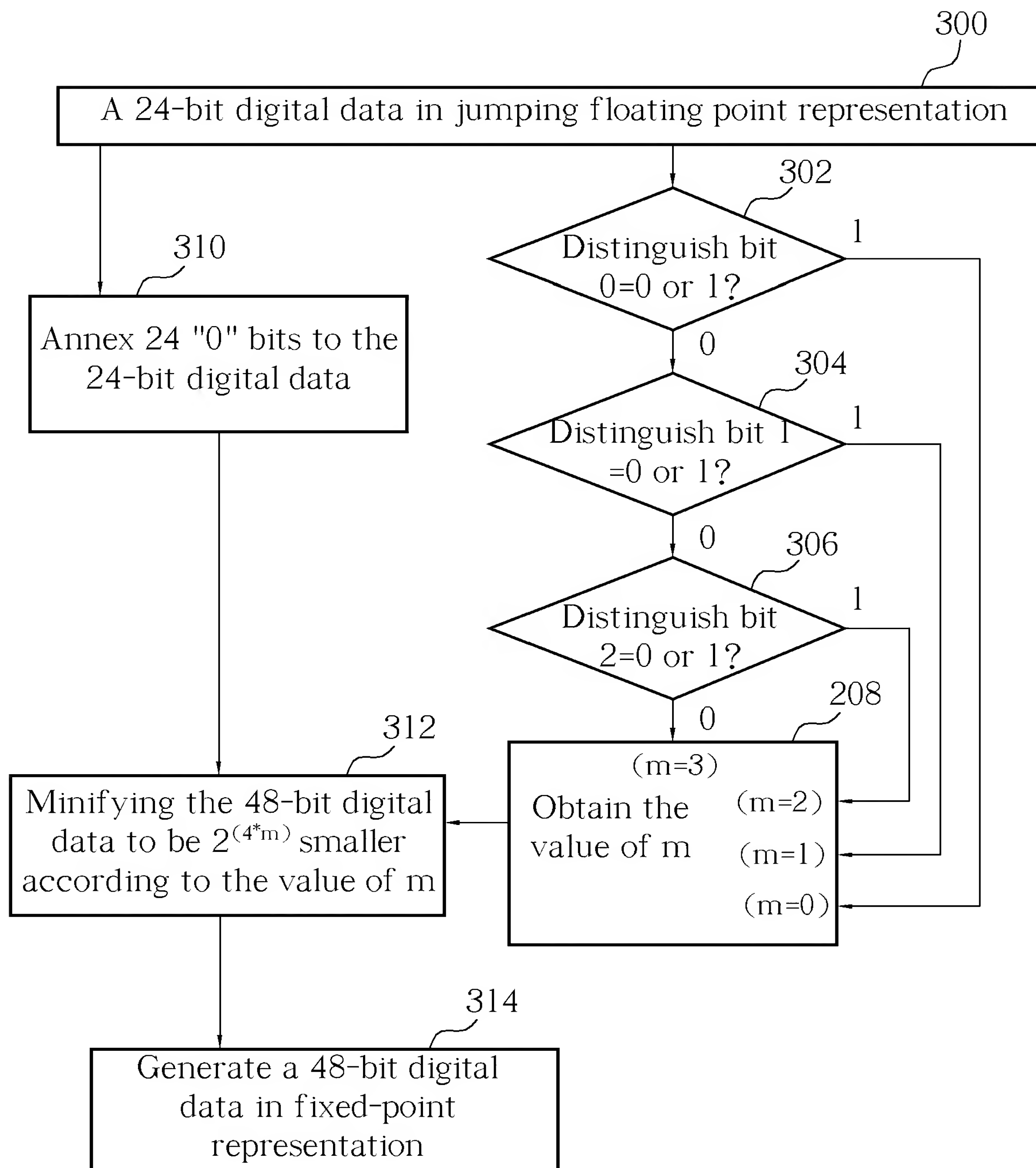


Fig. 8



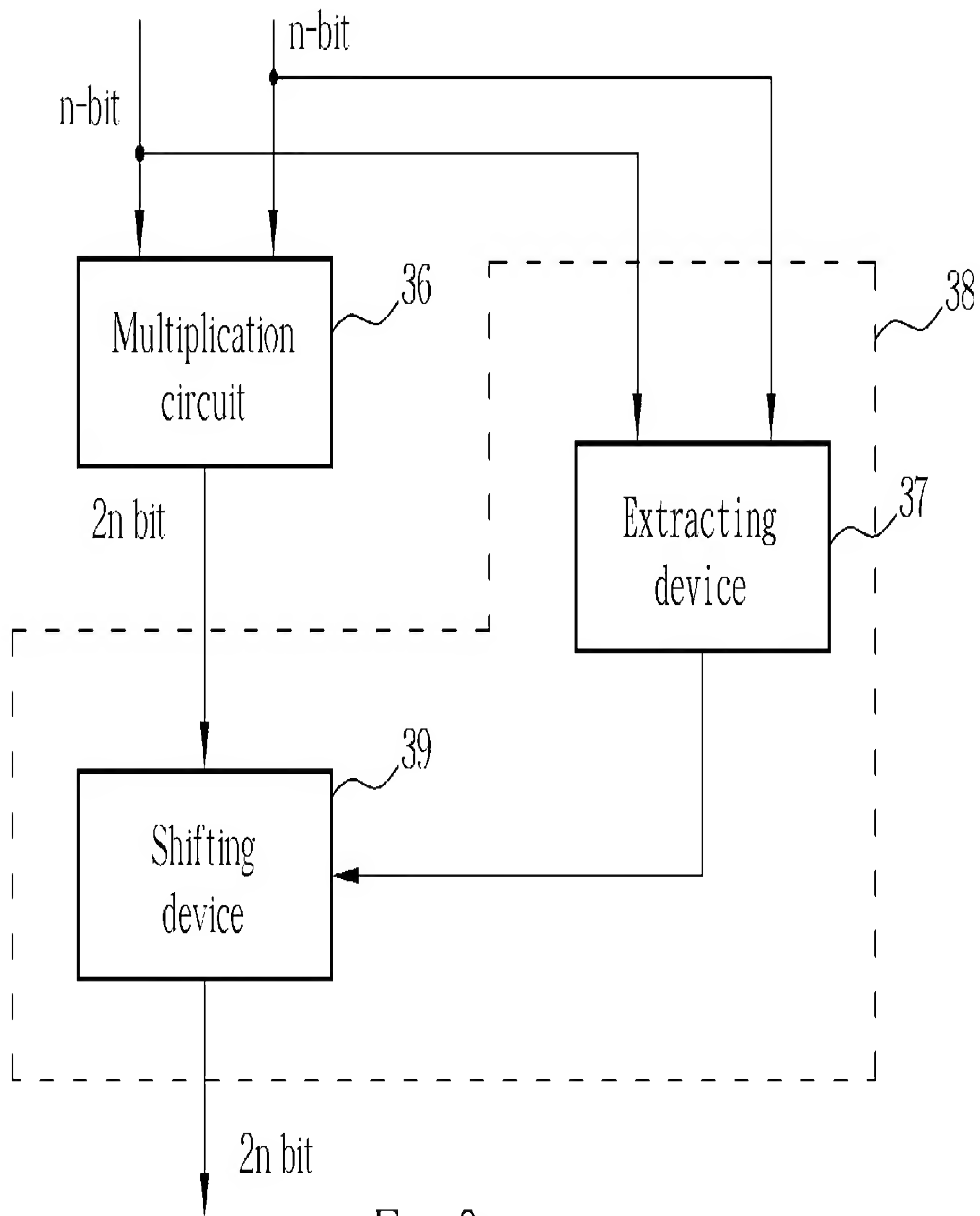


Fig. 9

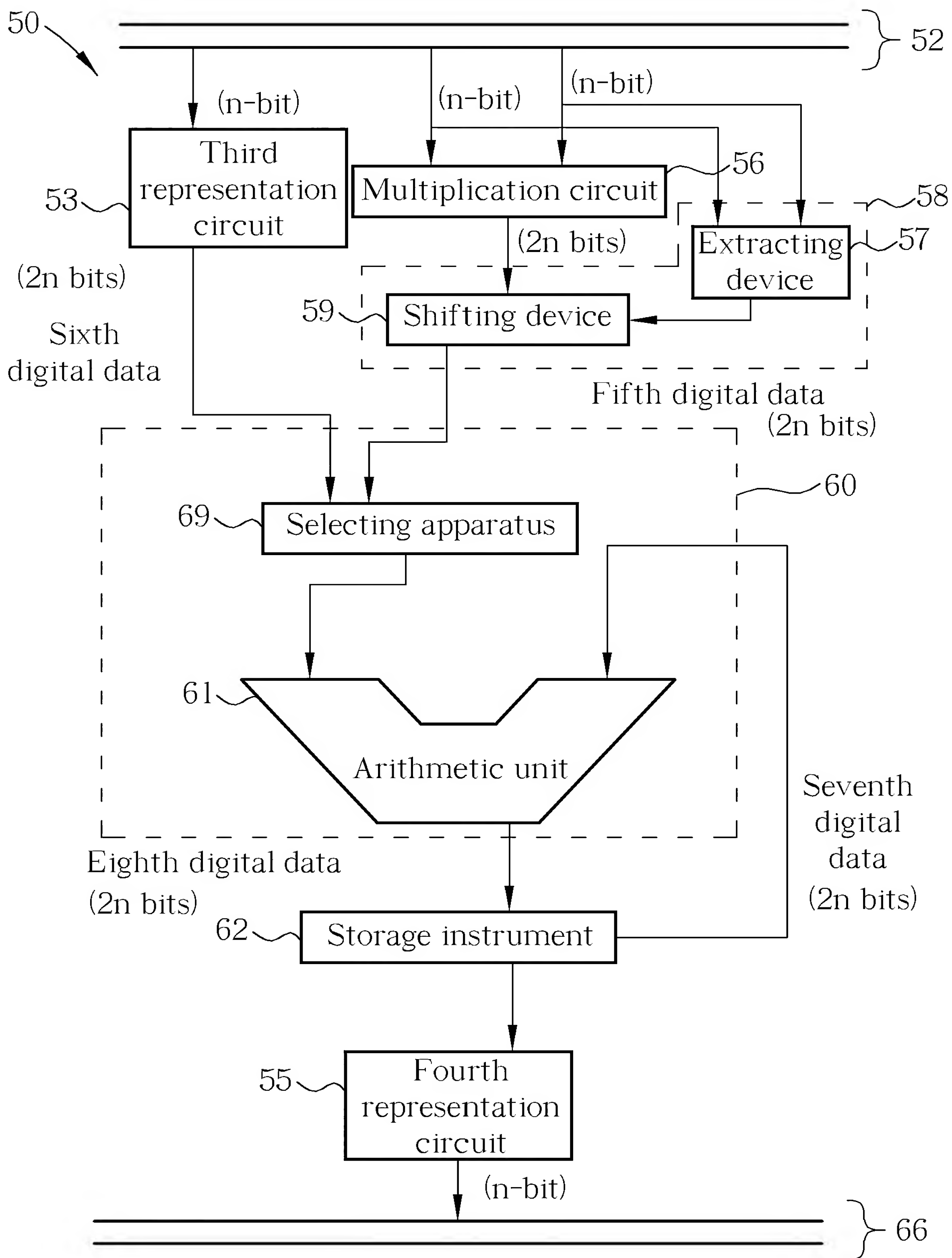


Fig. 10

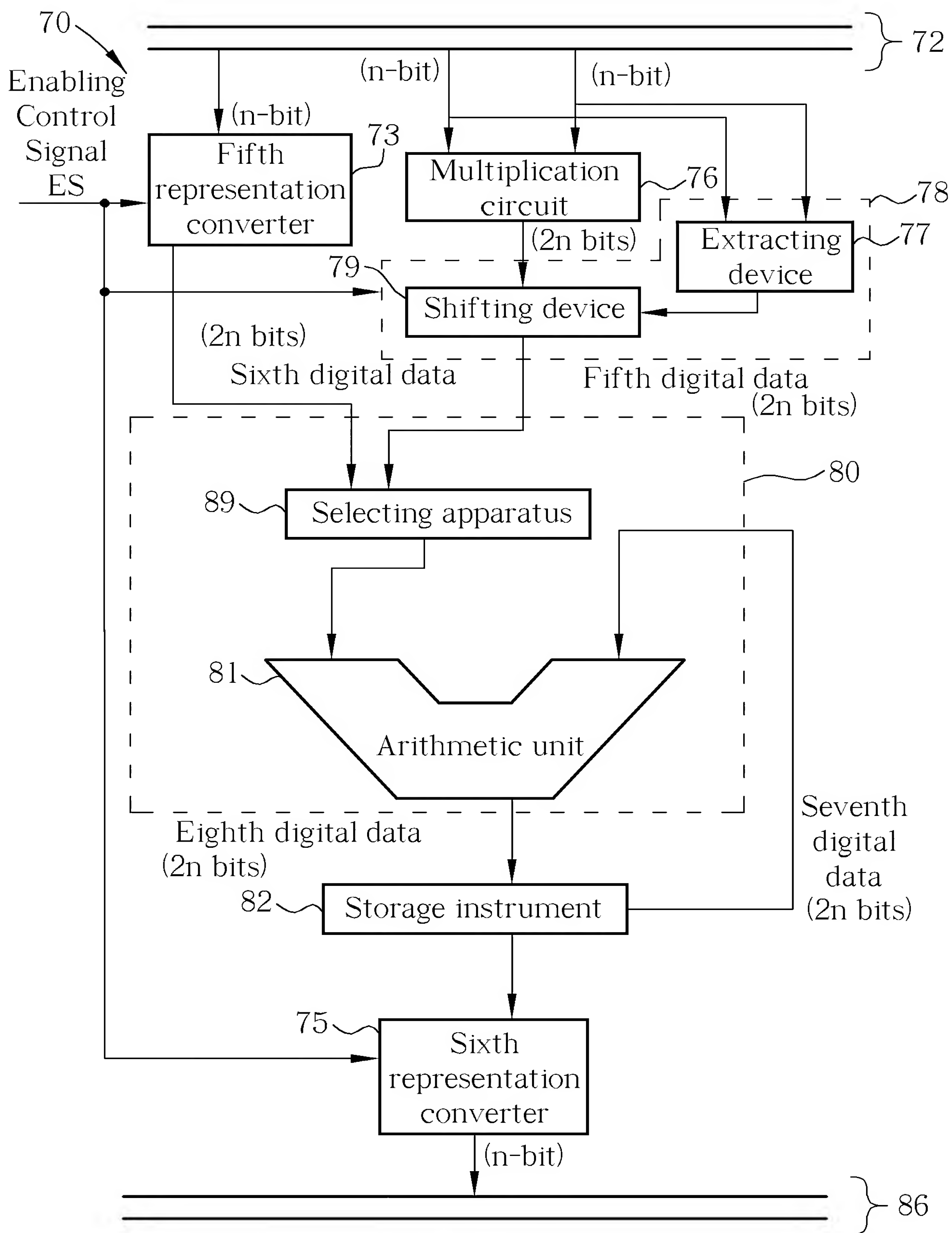


Fig. 11